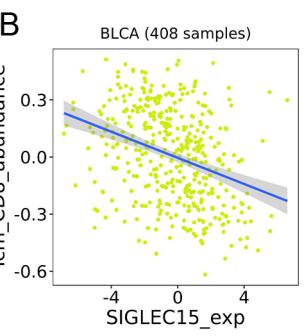
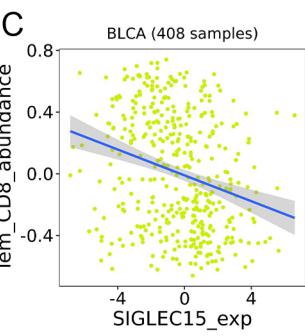


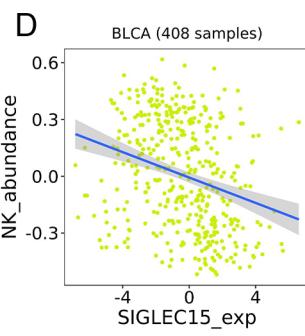
$\rho = -0.221$, $p = 6.93e-06$



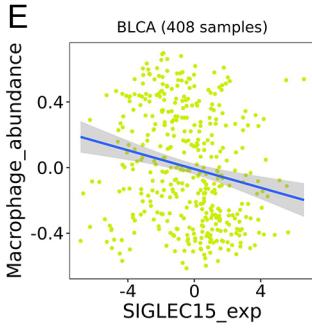
$\rho = -0.35$, $p = 4.43 \times 10^{-13}$



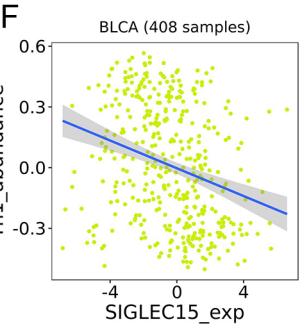
$\rho = -0.288$, $p = 3.88e-09$



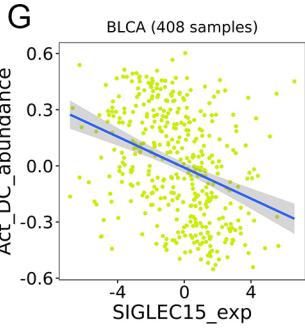
$\rho = -0.326$, $p = 1.89 \times 10^{-11}$



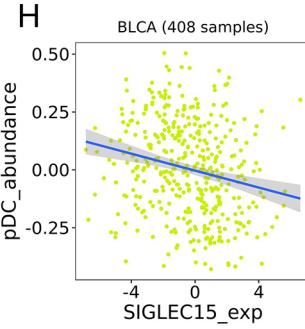
$\rho = -0.245$, $p = 6.15e-07$



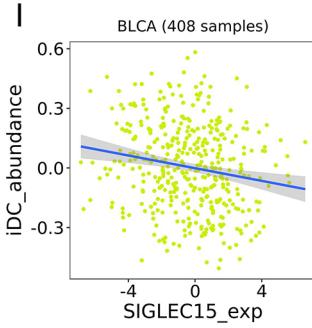
$\rho = -0.319$, $p = 5.07e-11$



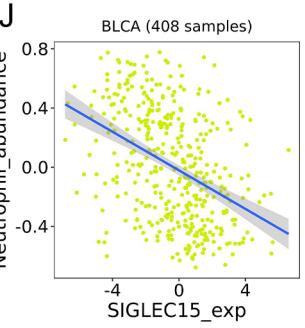
$\rho = -0.387$, $p = 2.01e-16$



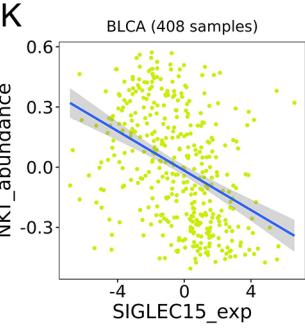
rho = -0.253, p = 2.53e-0



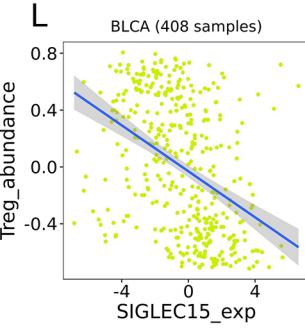
$\rho = -0.187$, $p = 0.000143$



$\rho = -0.437$, $p < 2.2e-16$



$\rho = -0.453$, $p < 2.2e-16$



$\rho = -0.469$, $p < 2.2 \times 10^{-16}$